

# Certificate of Conformity

No. ESY 114387 0106 Rev. 00

**Holder of Certificate:** **Huawei Digital Power Technologies Co., Ltd.**  
Office 01, 39th Floor, Block A  
Antuoshan Headquarters Towers  
33 Antuoshan 6th Road, Futian District  
518043 Shenzhen  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter  
(Hybrid Inverter)**

**Model(s):** **SUN2000-12K-MB0, SUN2000-15K-MB0,  
SUN2000-17K-MB0, SUN2000-20K-MB0,  
SUN2000-25K-MB0**

**Parameters:** See page 3-4

**Applicable standards:** UNE 217001:2020  
RD 244:2019

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290233089401

**Date,** 2023-07-28



( Billy Qiu )

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Certification Body TÜV SÜD Product Service GmbH performed assessment of the products listed below:

Test requirement	The certification complies with the requirements of the following documents:  <b>UNE 217001:2020</b> , Tests for systems that avoid energy discharge to the distribution network.  <b>Royal Decree 244:2019</b> , of April 5, which regulates the administrative, technical and economic conditions of self-consumption of electrical energy.
Manufacturer	Huawei Digital Power Technologies Co.,Ltd. Office 01, 39th Floor, Block A Antuoshan Headquarters Towers 33 Antuoshan 6th Road, Futian District 518043 Shenzhen PEOPLE'S REPUBLIC OF CHINA
Product types used in power generation system	Inverter: Three-phase inverter Network analyzer/ SmartLogger /Current transformer
Model and Technical Data	See page 3-4
Software version	Inverter: V200R023 Network analyzer: V1.01 SmartLogger: V300R023
Test Report	64.290.23.30894.01
Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
Accreditation No.	D-PL-19065-01-01
Accreditation body ref.	DAkKS
Reference of the certification body	
Certification Body	TÜV SÜD Product Service GmbH
	DAKKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013

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## Inverter Parameters:

Model	SUN2000-12K-MB0	SUN2000-15K-MB0	SUN2000-17K-MB0	SUN2000-20K-MB0	SUN2000-25K-MB0
Battery input/output parameters					
Battery type	Li-ion				
Rated voltage	600 Vd.c.				
Battery voltage range	600-980 Vd.c.				
Maximum charge/discharge current	26.25 Ad.c./26.25 Ad.c.				
Maximum charge power	25000 W	25000 W	25000 W	25000 W	25000 W
Maximum discharge power	13200 W	16500 W	18700 W	22000 W	25000 W
Maximum charge power from grid to battery	13200 W	15000 W	15000 W	15000 W	15000 W
PV terminal parameters					
Maximum DC input voltage	1100 Vd.c.				
Rated input voltage	600 Vd.c.				
MPPT Range	200~1000 Vd.c.				
MPPT Range (full load)	370~800 Vd.c.	410~800 Vd.c.	440~800 Vd.c.	480~800 Vd.c.	530~800 Vd.c.
Maximum Input Current	2*30 Ad.c.				
Isc PV	2*40 Ad.c.				
Maximum Input Power	18000 W	22500 W	25500 W	30000 W	37500 W
Grid terminal parameters					
Rated AC voltage	230/400 Va.c., 3W+N+PE				
Maximum continuous input current	19.1 Aa.c.	21.7 Aa.c.			
Maximum continuous input power	13200 W	15000 W	15000 W	15000 W	15000 W
Rated AC output current	17.3 Aa.c.	21.7 Aa.c.	24.5 Aa.c.	28.9 Aa.c.	36.1 Aa.c.
Maximum AC output current	20.2 Aa.c.	25.2 Aa.c.	28.6 Aa.c.	33.6 Aa.c.	42.0 Aa.c.
Rated AC output active power	12000 W	15000 W	17000 W	20000 W	25000 W
Maximum continuous output apparent power	13200 VA	16500 VA	18700 VA	22000 VA	27500 VA
Rated AC frequency	50 Hz				
Power factor	0.8 under-excited to 0.8 over-excited				

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## Network analyzer Parameters(Meter):

Model	Huawei DTSU666-H
Electrical parameter	
Voltage connect type	230/400 Va.c. 3W+N+PE
Rated Frequency	50 Hz
Current specification	250A/50mA
Energy consumption	≤1.5W/6VA
Type	Through transformer
Precision parameter	
Maximum error limit percentage of various instruments	±2.0
Precision class	Active Power class 1
Communications	
Communication type	RS485 ModBus RTU Protocol
Refresh time	≤1s

## SmartLogger Parameters:

Model	SmartLogger 1000A	SmartLogger 1000	SmartLogger 2000	SmartLogger 3000A	SmartLogger 3000B
Communication interface compatibility	RS485, ETH, MBUS (optional) 4G				
Speed of the communication interface	1200/2400/4800/9600/19200/115200 bps(Default 9600 bps)				

## Current transformer Parameters:

Model	CTF24-5K-250
Rated primary current	250 Aa.c.
Rated transformation ratio	5000:1
Rated load	20Ω
Rated Frequency	50 Hz
Accuracy	± 0.75%, class 1.0, accounting for 1% to 120% of the rated primary current

